

Patent Claims

1.
Pinhole, in particular for a laser scanning microscope, comprising silicon apertures, each one with a rectangular mirror-inverted opening.
2.
Pinhole according to claim 1, whereby the silicon apertures are displaceable with respect to one another in a first direction.
3.
Pinhole according to claim 2, whereby at least one silicon aperture is displaceable in a second direction perpendicular to the first direction for the adjustment to obtain an exact square form.
4.
Pinhole according to one of the claims 1-3, whereby the apertures are fastened on flexible solid joints, which are arranged in a rigid manner in the first direction and are flexible in the second direction.
5.
Method for justification of a pinhole according to one of the preceding claims, whereby the adjustment to obtain a square form is made, such that in the justification based on the quantity of light passing through the pinhole, the signal of the photoreceiver is maximized.